

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023400.D
 Acq On : 08 Oct 2025 12:11
 Operator : SY/MD
 Sample : Q3304-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 09 03:11:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

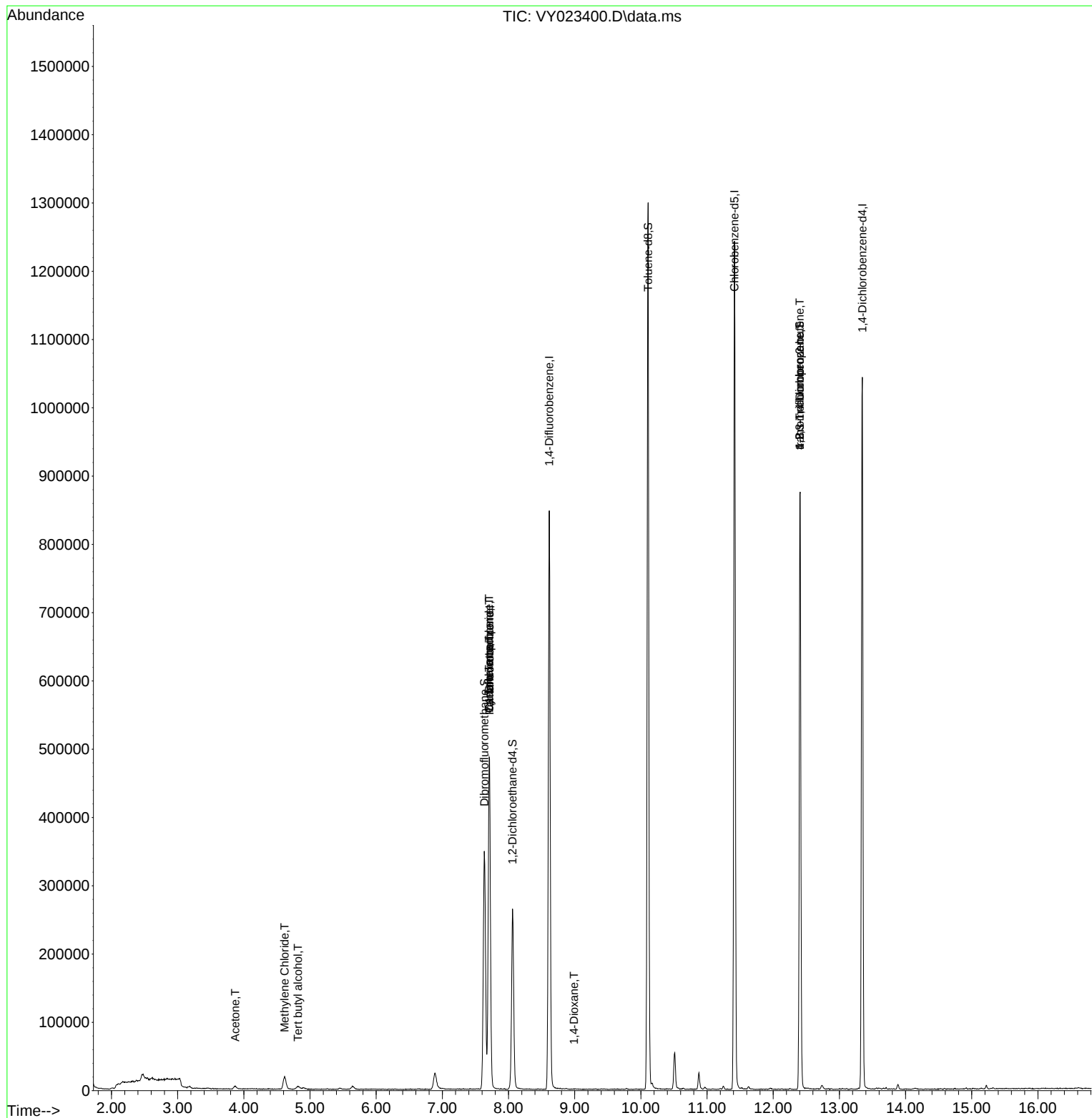
Internal Standards						
1) Pentafluorobenzene	7.713	168	415941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	755891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	694536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204293	58.736	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 117.480%		
35) Dibromofluoromethane	7.634	113	252437	54.351	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.700%		
50) Toluene-d8	10.109	98	867026	50.126	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.260%		
62) 4-Bromofluorobenzene	12.402	95	265718	46.531	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 93.060%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.818	59	3876	14.979	ug/l #	72
16) Acetone	3.873	43	7366	8.896	ug/l	100
20) Methylene Chloride	4.616	84	13477	3.010	ug/l #	82
31) Cyclohexane	7.707	56	7278	1.258	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	27158	4.417	ug/l #	48
38) Carbon Tetrachloride	7.707	117	38847	5.210	ug/l #	17
49) 1,4-Dioxane	8.988	88	33	1.047	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	131100	51.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	131100	125.182	ug/l #	15

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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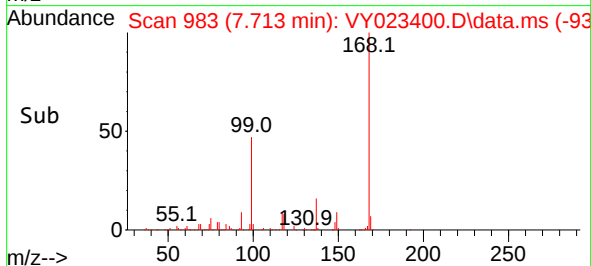
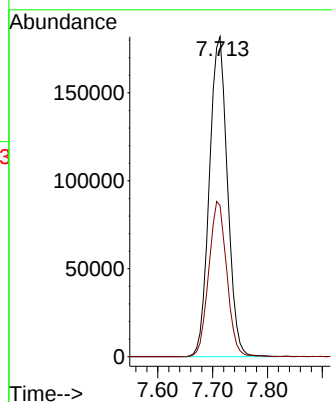
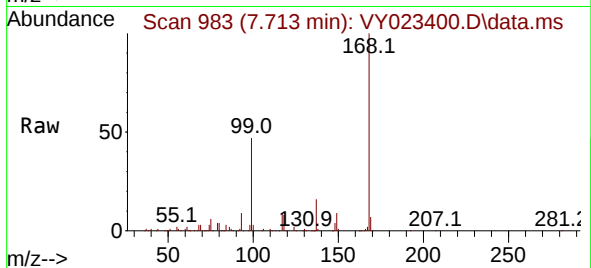




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

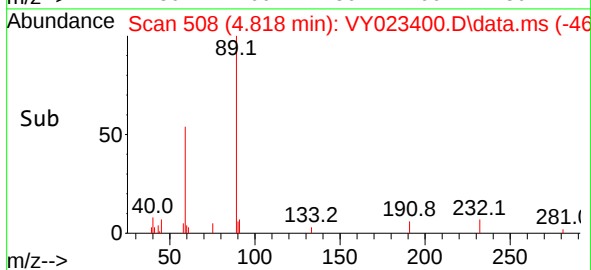
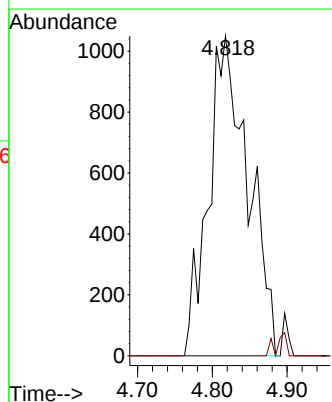
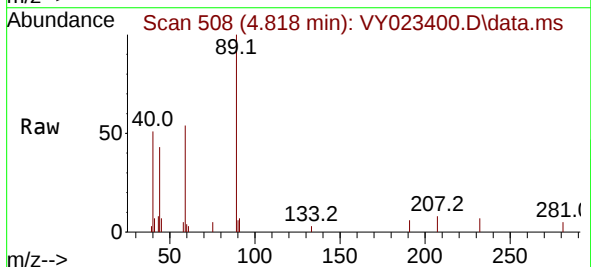
Instrument :
MSVOA_Y
ClientSampleId :

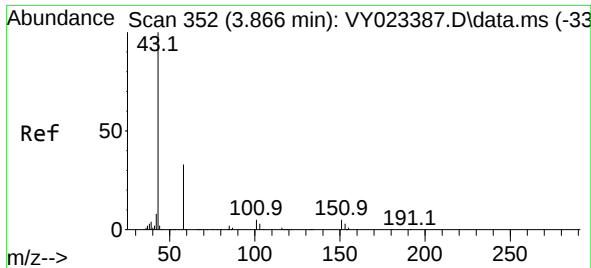
Tgt Ion:168 Resp: 415941
Ion Ratio Lower Upper
168 100
99 47.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 14.979 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 59 Resp: 3876
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

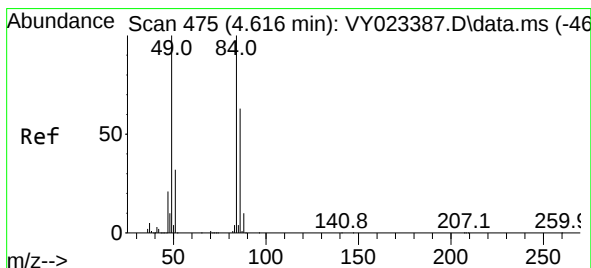
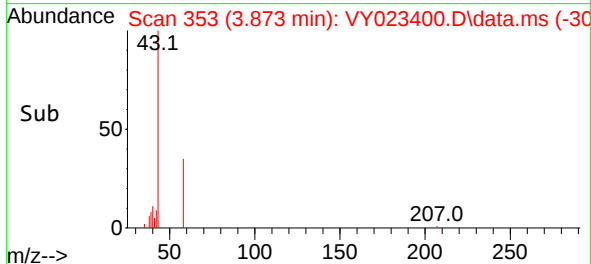
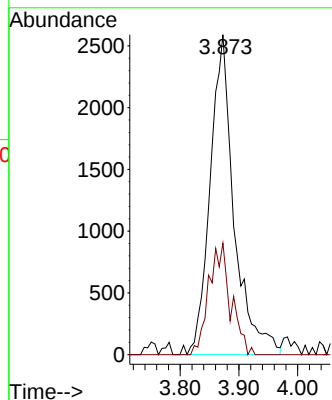
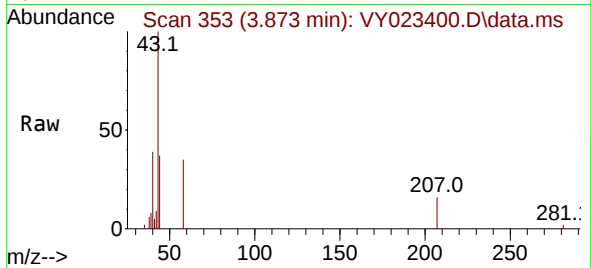




#16
Acetone
Concen: 8.896 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

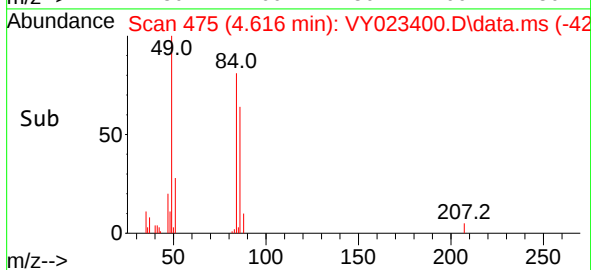
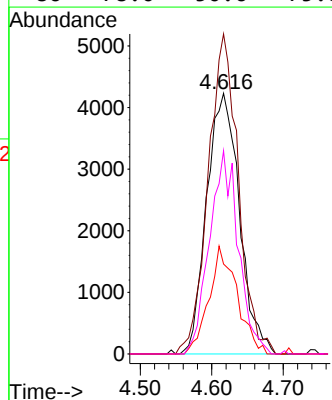
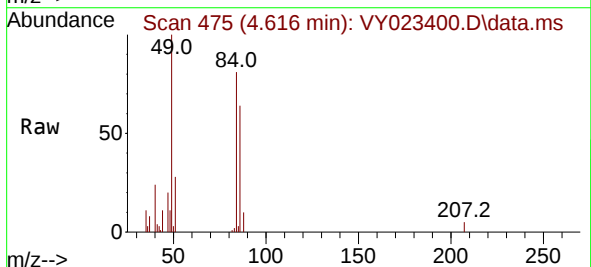
Instrument :
MSVOA_Y
ClientSampleId :

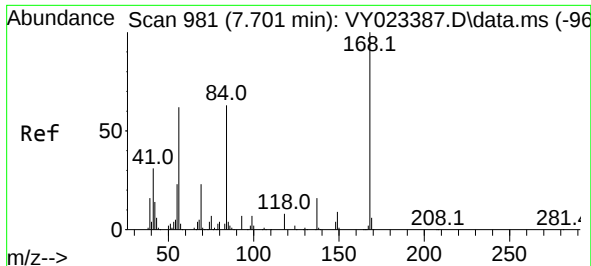
Tgt Ion: 43 Resp: 7366
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5



#20
Methylene Chloride
Concen: 3.010 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 84 Resp: 13477
Ion Ratio Lower Upper
84 100
49 122.8 80.2 120.4#
51 34.5 25.9 38.9
86 78.0 50.6 75.8#

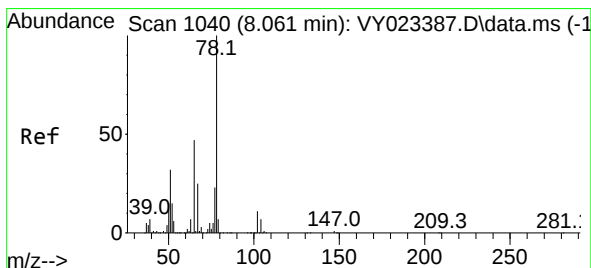
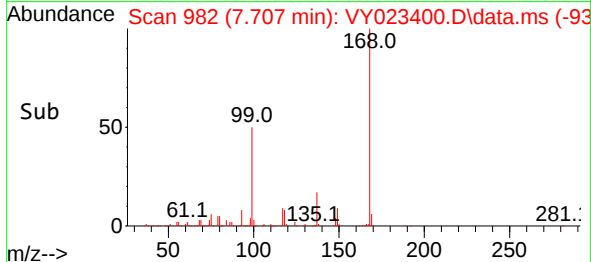
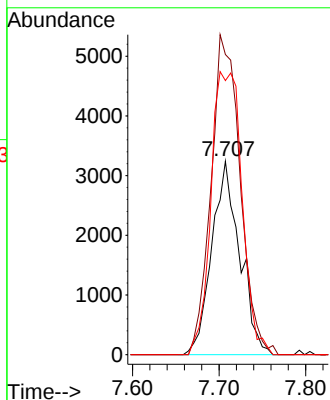
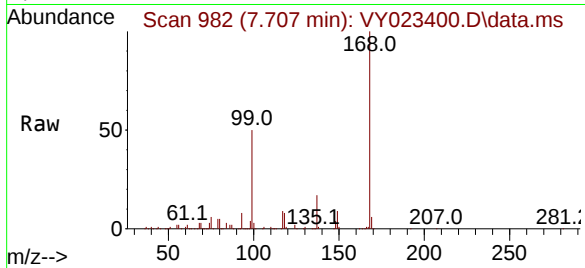




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

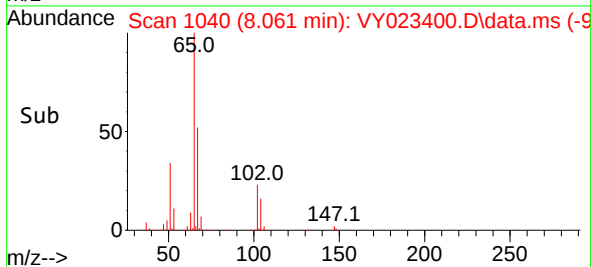
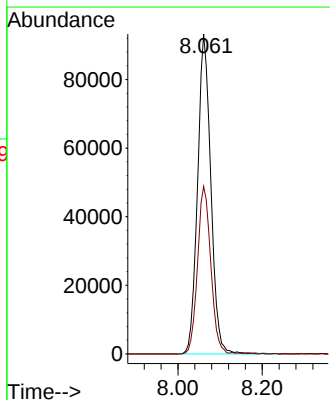
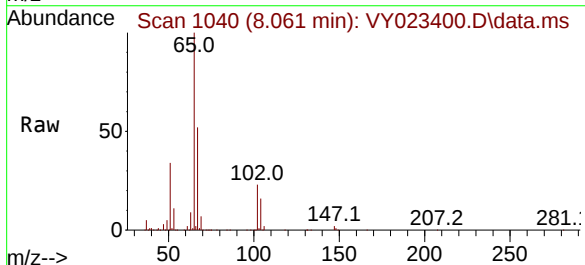
Instrument :
MSVOA_Y
ClientSampleId :

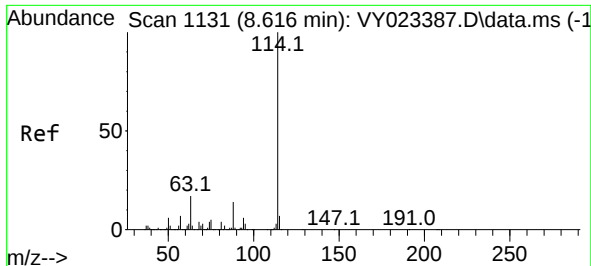
Tgt Ion: 56 Resp: 7278
Ion Ratio Lower Upper
56 100
69 155.2 30.0 45.0#
84 141.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 58.736 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 65 Resp: 204293
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

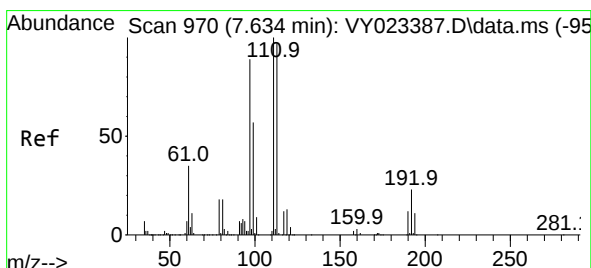
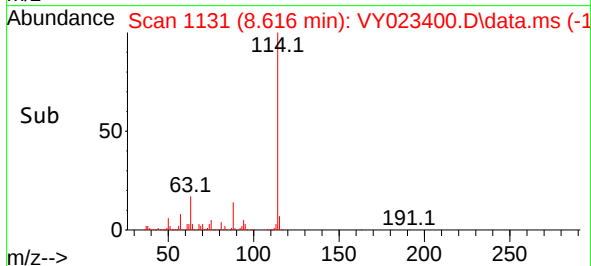
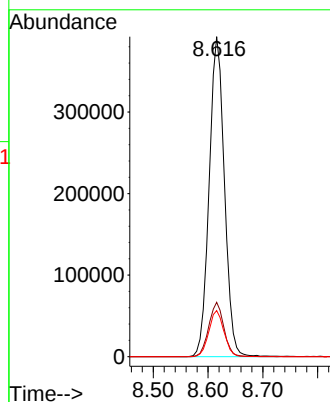
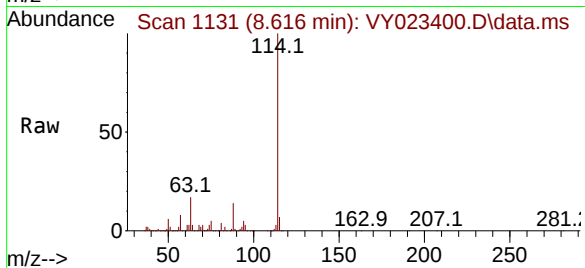
Tgt Ion:114 Resp: 755891

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 54.351 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

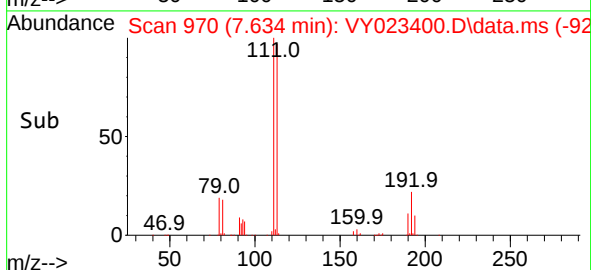
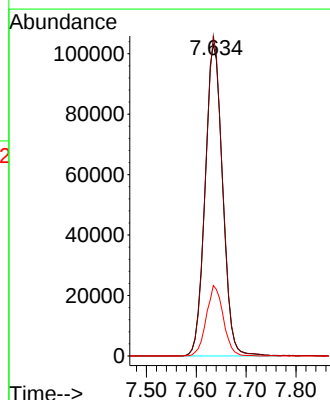
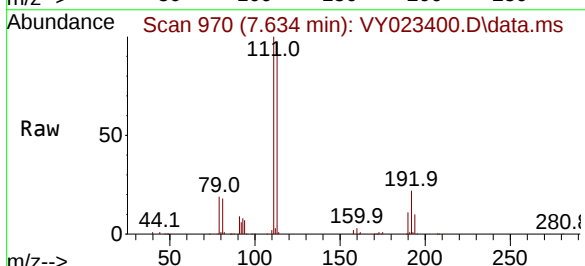
Tgt Ion:113 Resp: 252437

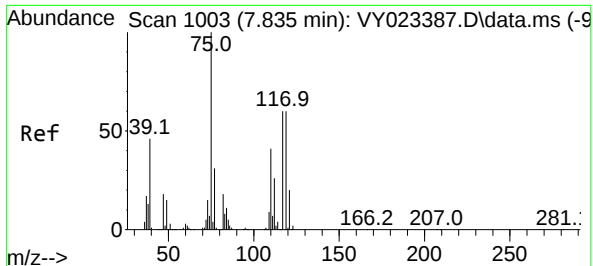
Ion Ratio Lower Upper

113 100

111 100.6 81.8 122.6

192 21.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

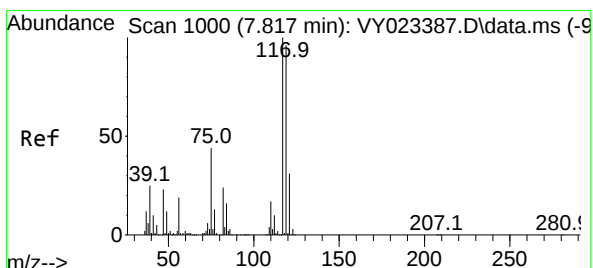
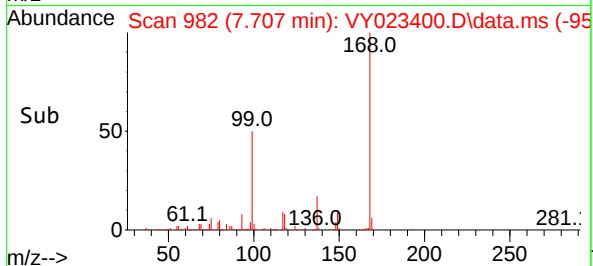
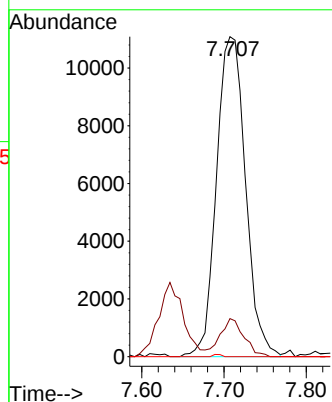
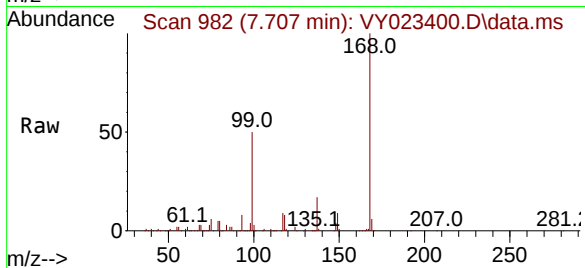
Tgt Ion: 75 Resp: 27158

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.210 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

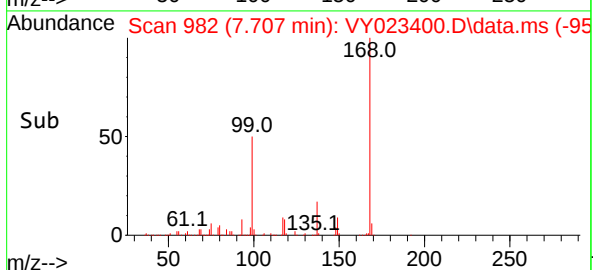
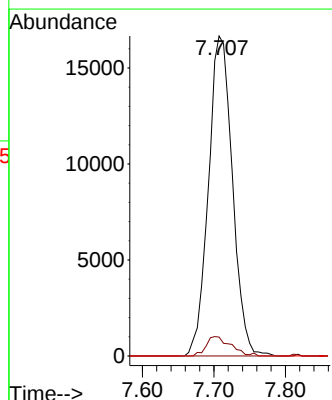
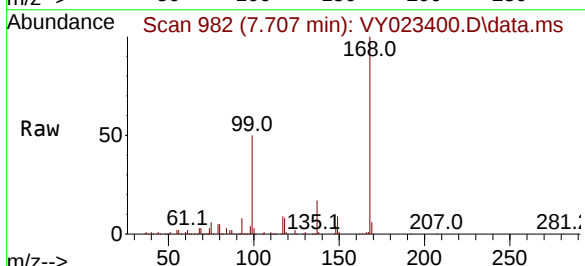
Tgt Ion: 117 Resp: 38847

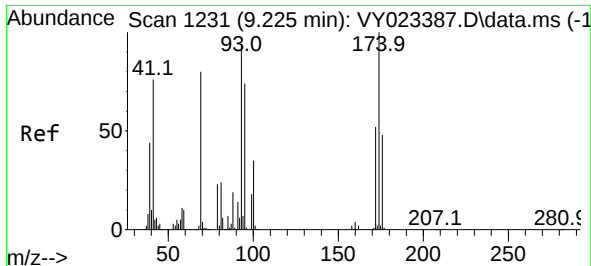
Ion Ratio Lower Upper

117 100

119 5.9 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.047 ug/l

RT: 8.988 min Scan# 1192

Delta R.T. -0.238 min

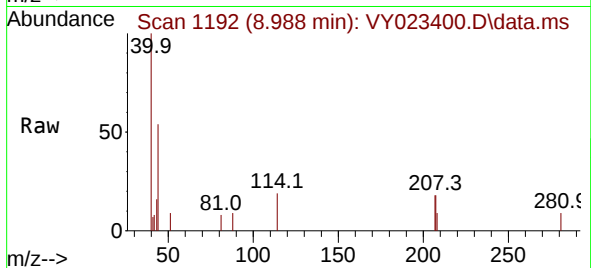
Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :



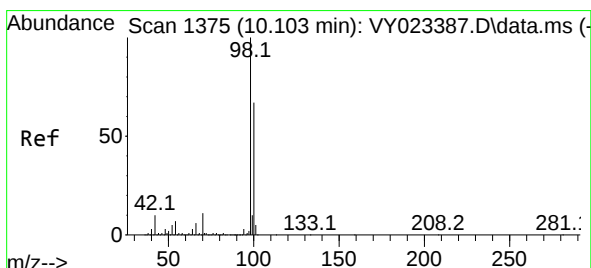
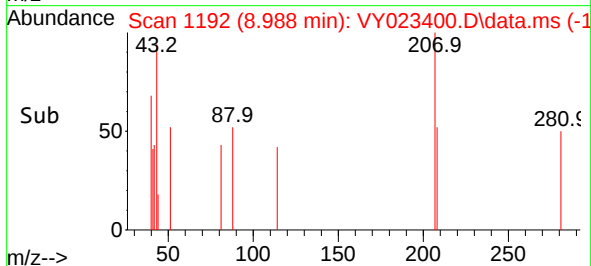
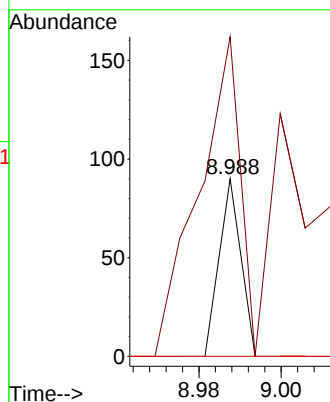
Tgt Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 345.5 21.8 32.8#

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 50.126 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023400.D

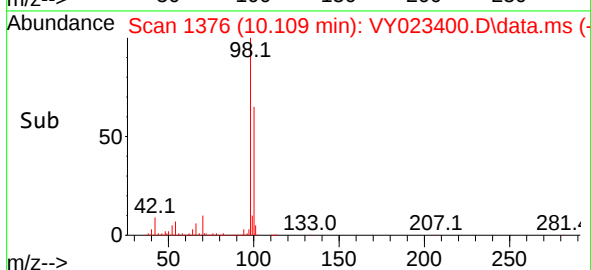
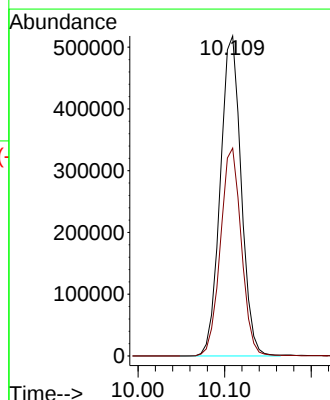
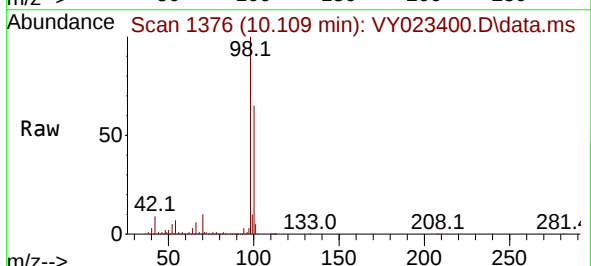
Acq: 08 Oct 2025 12:11

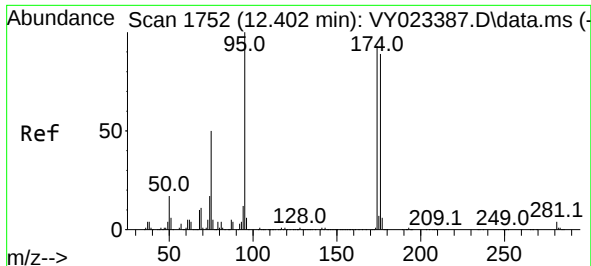
Tgt Ion: 98 Resp: 867026

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.4

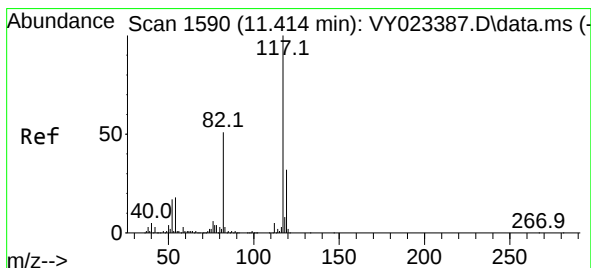
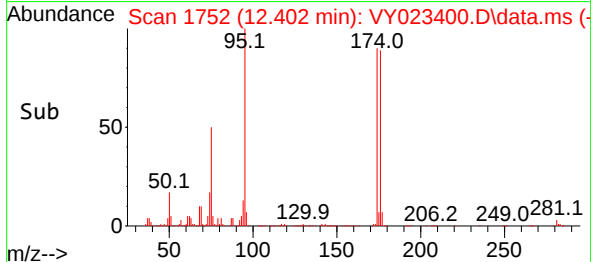
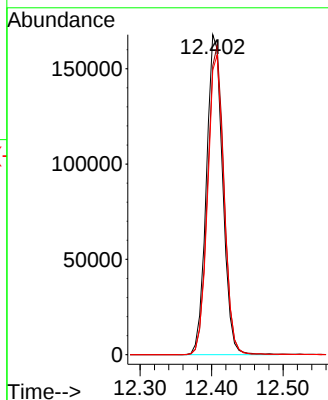
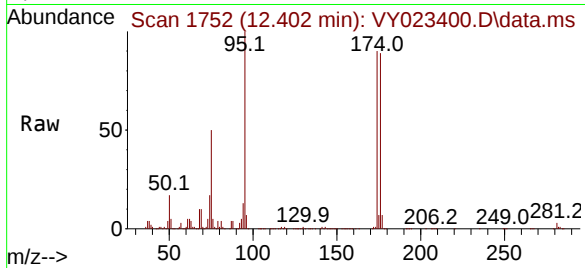




#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

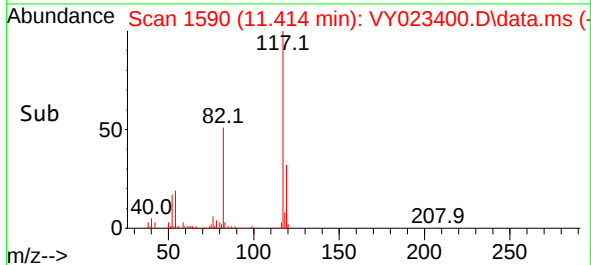
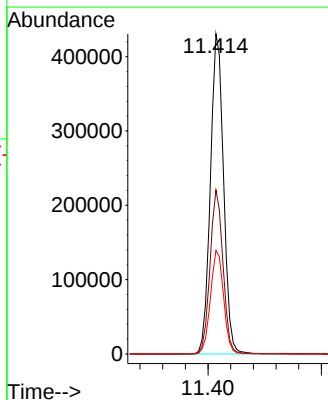
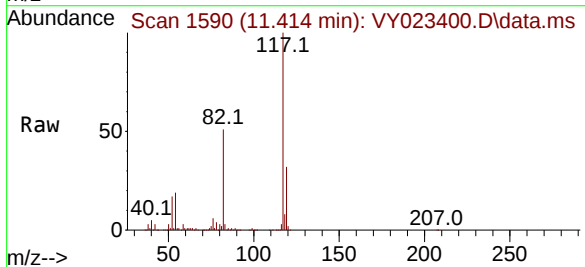
Instrument :
MSVOA_Y
ClientSampleId :

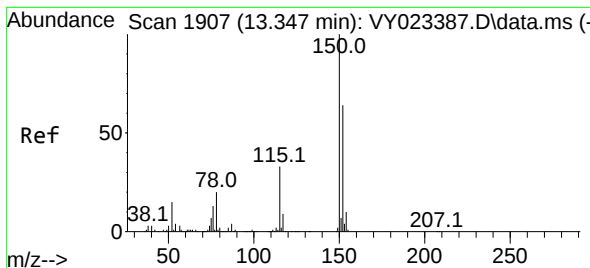
Tgt Ion: 95 Resp: 265718
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Tgt Ion: 117 Resp: 694536
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.4
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023400.D

Acq: 08 Oct 2025 12:11

Instrument :

MSVOA_Y

ClientSampleId :

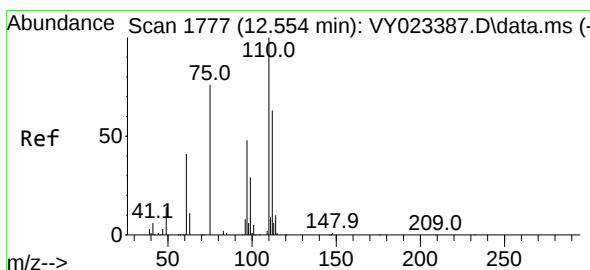
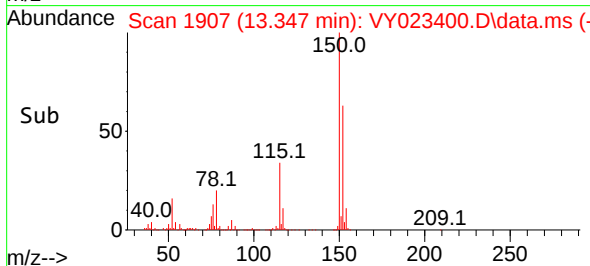
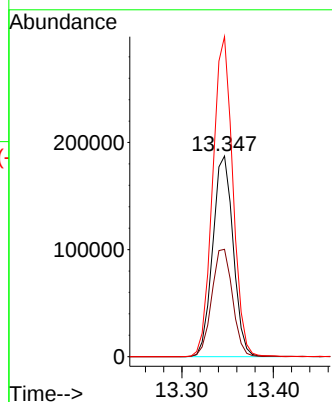
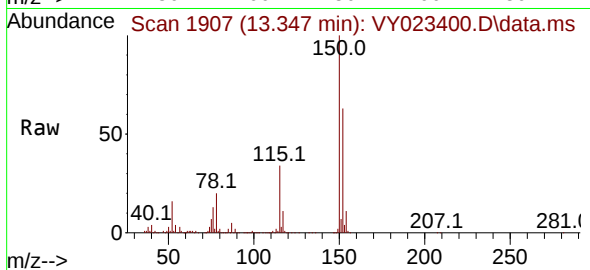
Tgt Ion:152 Resp: 291081

Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.2

150 156.9 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.049 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023400.D

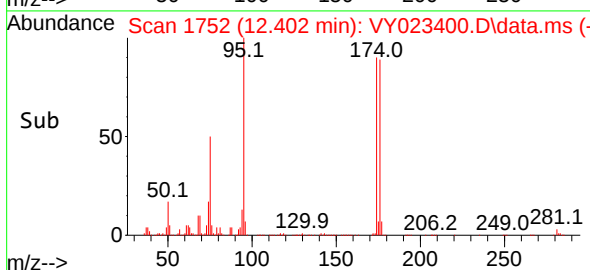
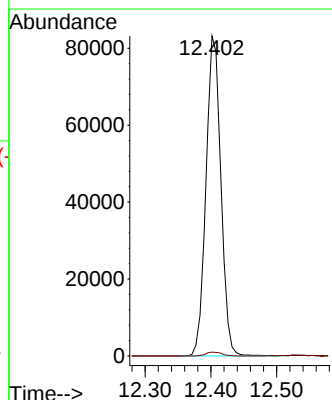
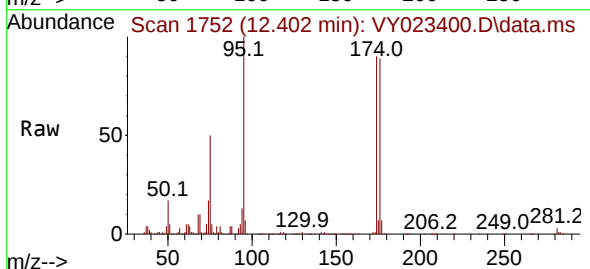
Acq: 08 Oct 2025 12:11

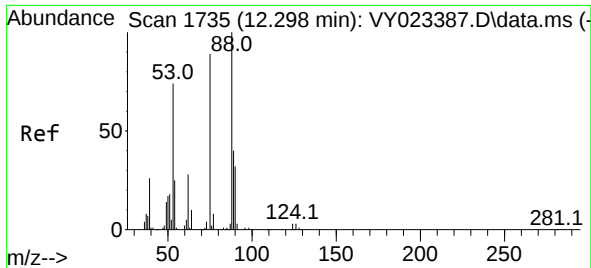
Tgt Ion: 75 Resp: 131100

Ion Ratio Lower Upper

75 100

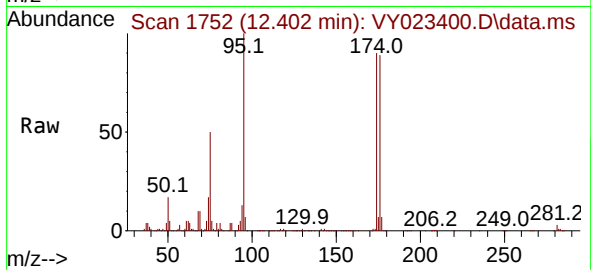
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 125.182 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023400.D
Acq: 08 Oct 2025 12:11

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 131100
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

